

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
25 March 2004 (25.03.2004)

PCT

(10) International Publication Number  
WO 2004/024520 A1

(51) International Patent Classification<sup>7</sup>: B60S 1/40, 1/38

(74) Agent: LEVY-MOULIN, Béatrice; Valeo Systèmes d'Essuyage, Z.A. de l'Agiot, B.P. 81, 8, rue Louis-Lormand, F-78321 La Verrière (FR).

(21) International Application Number:  
PCT/EP2003/009950

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(22) International Filing Date:  
8 September 2003 (08.09.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0211405 12 September 2002 (12.09.2002) FR

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

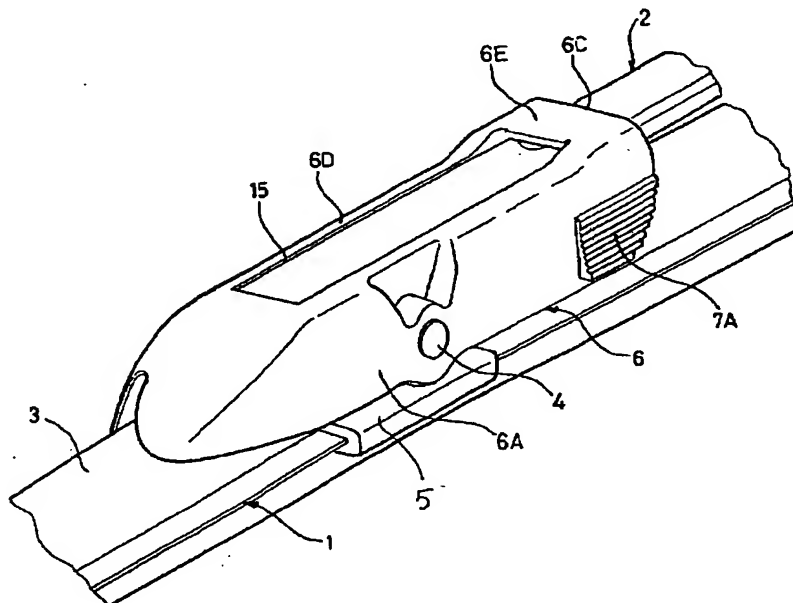
(71) Applicant (*for all designated States except US*): VALEO SYSTEMES D'ESSUYAGE [FR/FR]; Z.A. de l'Agiot, Boîte postale 81, 8, rue Louis-Lormand, F-78321 La Verrière (FR).

Published:  
— with international search report

(72) Inventor; and  
(75) Inventor/Applicant (*for US only*): VACHER, Pascal [FR/FR]; 25 rue du Cerf-Volant, F-63500 Issoire (FR).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ARRANGEMENT FOR FIXING A WINDSCREEN WIPER BLADE TO A WIPER ARM



(57) Abstract: The invention relates to an arrangement for fixing a windscreen wiper blade (1, 3, 5, 4) to a wiper arm (2). The aforementioned blade (1, 3, 5, 4) comprises a through transverse swivel pin which is intended to form a pivot connection with the arm and said arm (2) is equipped with an end rod. According to the invention, the arrangement comprises an independent piece (6), known as an adapter, which is mounted on the blade (1, 3, 5, 4) and the above-mentioned rod is inserted longitudinally therein.

WO 2004/024520 A1